

line 3, before "dry" delete "the" and insert --a--;

Claim 7, line 1, delete "5" and insert --112;

line 3, before "dry" insert --the--;

Claim 25, line 1, delete "24" and insert --117--;

Claim 26, line 1, delete "24" and insert --117--;

Claim 27, line 1, delete "24" and insert --117--;

Claim 29, line 1, delete "28" and insert --117--;

Claim 30, line 1, delete "24" and insert --117--;

Claim 31, line 1, delete "24" and insert --117--;

Claim 33, line 1, delete "24" and insert --117--;

Claim 34, line 1, delete "24" and insert --117--;

Claim 35, line 1, delete "24" and insert --117--;

Claim 36, line 1, delete "24" and insert --117--;

Claim 37, line 1, delete "24" and insert --117--;

Claim 38, line 1, delete "24" and insert --117--

Claim 43, line 1, delete "or Claim 42";

Claim 44, line 1, delete "or Claim 42";

Claim 45, line 1, delete "or Claim 42";

Claim 46, line 1, delete "or Claim 42";

Claim 51, line 1, delete "one of Claim 40 to 42" and insert --Claim 40--;

Claim 52, line 1, delete "or Claim 42".

1 57. (Amended) The PDP production method of Claim [56] 114, wherein
2 the [predetermined] temperature in the heating step is equal to or higher than the
3 exhaust temperature.

Claim 58, line 1, delete "56" and insert --114--;

line 2, delete "predetermined";

Claim 59, line 1, delete "56" and insert --114--;

line 2, delete "predetermined";

Claim 60, line 1, delete "56" and insert --117--;

line 2, delete "predetermined";

Claim 63, lines 1 and 2, delete "one of Claims 1 to 23, 28, 50, 51, and 56" and insert --
Claim 6--;

Claim 64, lines 1 and 2, delete "one of Claims 1 to 23, 28, 50, 51, and 56" and insert --
Claim 6--.

1 73. (Amended) A PDP including a plurality of cells formed between a pair of panels
2 parallel to each other, the plurality of cells including blue cells in each of which a blue
3 fluorescent substance layer is formed, and the plurality of cells being filled with a gas medium,
4 wherein

5 a peak wavelength of a spectrum of light emitted [from the blue cells when light is
6 emitted from only the blue cells] when a blue fluorescent substance is excited by a vacuum
7 ultraviolet ray is 453nm or less.

Claim 80, line 1, delete "one of Claims 66 to 78" and insert --Claim 70--;

Claim 109, lines 2 and 3, delete "one of Claims 1 to 42, 53 to 60" and insert --
Claim 112--;

Claim 110, line 2, delete "one of Claims 66 to 78" and insert --Claim 70--

Please add the following newly-drafted Claims 112-191.

1 112. A PDP production method comprising
2 a bonding step for putting a front panel and a back panel together to form an inner
3 space between the panels, and bonding the front panel and the back panel by maintaining a
4 bonding temperature equal to or higher than a temperature at which the sealing material softens;
5 a fluorescent substance layer on at least one of the front panel and the back panel;
6 and
7 forming a sealing material layer on at least one of the front panel and the back
8 panel; wherein the bonding step is performed while steam vapor is exhausting from the inner
9 space.

1 113. A PDP production method comprising:
2 a bonding step for putting a front panel and a back panel together to form an inner
3 space between the panels, and bonding the front panel and the back panel;
4 forming a fluorescent substance layer on at least one of the front panel and the pack
5 panel; and
6 a heating step for heating the bonded front panel and the back panel to a temperature
7 higher than a room temperature while a dry gas is circulated in the inner space.

1 114. The PDP production method of Claim 113, further comprising:
2 an exhausting step for, after the heating step, exhausting gases from the inner space
3 while maintaining an exhaust temperature for the bonded panels higher than a room temperature.

1 115. A PDP production method comprising:
2 a heating step for heating a first panel while an MgO layer formed on the first panel
3 is in contact with a dry gas; and
4 a bonding step, after the heating step, putting the first panel and a second panel
5 together, and bonding the first panel and the second panel, a fluorescent substance layer being
6 formed on the second panel.

1 116. The PDP method of Claim 112, wherein,
2 in the bonding step, a temporary baking of the sealing material layer is further
3 performed.

1 117 A PDP production method comprising:
2 a preparative heating step for heating a front panel and a back panel in an
3 atmosphere of dry gas while a space is opened between the sides of the panels facing each other, a
4 fluorescent substance layer being formed on at least one of the front panel and the back panel, and a
5 sealing material layer being formed on at least one of the front panel and the back panel; and
6 a bonding step for, immediately after the preparative heating step, putting the front
7 panel and the back panel together to form the inner space between the panels, and bonding the front
8 panel and the back panel by maintaining a bonding temperature equal to or higher than a softening
9 point of the sealing material.

1 118. The PDP production method of Claim 7, wherein the dry gas contains oxygen.

1 119. The PDP production method of Claim 13, wherein the dry gas contains oxygen.

1 120. The PDP production method of Claim 16, wherein the dry gas contains oxygen.

1 121. The PDP production method of Claim 22, wherein the dry gas contains oxygen.

1 122. The PDP production method of Claim 23, wherein the dry gas contains oxygen.

1 123. The PDP production method of Claim 7, wherein the dry gas contains dry air.

1 124. The PDP production method of Claim 13, wherein the dry gas contains dry air.

1 125. The PDP production method of Claim 16, wherein the dry gas contains dry air.

1 126. The PDP production method of Claim 22, wherein the dry gas contains dry air.

- 1 127. The PDP production method of Claim 23, wherein the dry gas contains dry air.
- 1 128. The PDP product in accordance with the PDP production method of Claim 112.
- 1 129. The PDP product in accordance with the PDP production method of Claim 6.
- 1 130. The PDP product in accordance with the PDP production method of Claim 7.
- 1 131. The PDP product in accordance with the PDP production method of Claim 13.
- 1 132. The PDP product in accordance with the PDP production method of Claim 16.
- 1 133. The PDP product in accordance with the PDP production method of Claim 17.
- 1 134. The PDP product in accordance with the PDP production method of Claim 22.
- 1 135. The PDP product in accordance with the PDP production method of Claim 23.
- 1 136. The PDP product in accordance with the PDP production method of Claim 25.
- 1 137. The PDP product in accordance with the PDP production method of Claim 26.
- 1 138. The PDP product in accordance with the PDP production method of Claim 27.
- 1 139. The PDP product in accordance with the PDP production method of Claim 29.
- 1 140. The PDP product in accordance with the PDP production method of Claim 30.
- 1 141. The PDP product in accordance with the PDP production method of Claim 31.
- 1 142. The PDP product in accordance with the PDP production method of Claim 32.

- 1 143. The PDP product in accordance with the PDP production method of Claim 33.
- 1 144. The PDP product in accordance with the PDP production method of Claim 34.
- 1 145. The PDP product in accordance with the PDP production method of Claim 35.
- 1 146. The PDP product in accordance with the PDP production method of Claim 36.
- 1 147. The PDP product in accordance with the PDP production method of Claim 37.
- 1 148. The PDP product in accordance with the PDP production method of Claim 38.
- 1 149. The PDP product in accordance with the PDP production method of Claim 57.
- 1 150. The PDP product in accordance with the PDP production method of Claim 58.
- 1 151. The PDP product in accordance with the PDP production method of Claim 59.
- 1 152. The PDP product in accordance with the PDP production method of Claim 60.
- 1 153 The PDP of Claim 73, wherein the blue fluorescent substance layer is made of
2 BaMgAl₁₀O₁₇:Eu.
- 1 154 The PDP of Claim 78, wherein the blue fluorescent substance layer is made of
2 BaMgAl₁₀O₁₇:Eu.
- 1 155. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 6 and an activating circuit
3 for activating the PDP.

1 156. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 7 and an activating circuit
3 for activating the PDP.

1 157. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 113 and an activating
3 circuit for activating the PDP.

1 158. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 114 and an activating
3 circuit for activating the PDP.

1 159. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 115 and an activating
3 circuit for activating the PDP.

1 160. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 116 and an activating
3 circuit for activating the PDP.

1 161. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 13 and an activating
3 circuit for activating the PDP.

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1 162. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 16 and an activating
3 circuit for activating the PDP.

1 163. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 17 and an activating
3 circuit for activating the PDP.

1 164. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 22 and an activating
3 circuit for activating the PDP.

1 165. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 23 and an activating
3 circuit for activating the PDP.

1 166. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 25 and an activating
3 circuit for activating the PDP.

1 167. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 26 and an activating
3 circuit for activating the PDP.

1 168. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 27 and an activating
3 circuit for activating the PDP.

1 169. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 29 and an activating
3 circuit for activating the PDP.

1 170. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 30 and an activating
3 circuit for activating the PDP.

1 171. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 31 and an activating
3 circuit for activating the PDP.

1 172. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 32 and an activating
3 circuit for activating the PDP.

1 173. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 33 and an activating
3 circuit for activating the PDP.

1 174. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 34 and an activating
3 circuit for activating the PDP.

1 175. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 35 and an activating
3 circuit for activating the PDP.

1 176. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 36 and an activating
3 circuit for activating the PDP.

1 177. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 37 and an activating
3 circuit for activating the PDP.

1 178. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 38 and an activating
3 circuit for activating the PDP.

1 179. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 39 and an activating
3 circuit for activating the PDP.

1 180. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 40 and an activating
3 circuit for activating the PDP.

1 181. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 41 and an activating
3 circuit for activating the PDP.

1 182. The PDP display apparatus comprising:
2 a PDP produced by the PDP production method of Claim 42 and an activating
3 circuit for activating the PDP.

1 183. A PDP display apparatus comprising:
2 the PDP of Claim 73 and an activating circuit for activating the PDP.

1 184. A PDP display apparatus comprising:
2 the PDP of Claim 78 and an activating circuit for activating the PDP.

1 185. The PDP production method of Claim 42, wherein
2 wherein
3 the bonding step is started after the one or two panels whose temporary baking
4 temperature has been maintained during the sealing material temporary baking step are heated to the
5 bonding temperature.

1 186. The PDP production method of Claim 42,
2 wherein
3 the exhausting step is started after the bonded front panel and the back panel are
4 cooled to the exhaust temperature.

1 187. The PDP production method of Claim 42,
2 wherein
3 the exhausting step is started after the bonded front panel and the back panel are
4 maintained in the bonding temperature.

1 188. The PDP production method of Claim 42,
2 wherein
3 the sealing material temporary baking step is performed while a space is opened
4 between the sides of the panels facing each other, and
5 the PDP production method further comprises between the sealing material
6 temporary baking step and the bonding step:
7 a preparative heating step for heating the front panel and the back panel while a
8 space is opened between the sides of the panels facing each other.

1 189. The PDP production method of Claim 41,
2 wherein
3 the bonding step is performed while a dry gas is circulated in the inner space.

1 190. The PDP production method of Claim 42,

2 wherein

3 the bonding step is performed while a dry gas is circulated in the inner space.

1 191 The PDP production method of Claim 42,

2 wherein

3 in the sealing material temporary baking step, the front panel and the back panel are
4 put together to form inner space between the panels, and the sealing material temporary
5 baking step is performed while a dry gas is circulated in the inner space.